

AMENDMENT TO THE CLAIMS**IN THE CLAIMS:**

Pursuant to 37 C.F.R. § 1.121, the following listing of claims will replace all prior versions, and listings, of claims in the application.

1-78. (Cancelled).

79. (Currently Amended) An anchor delivery catheter for performing catheter-based annuloplasty by delivering anchors to heart tissue, the anchor delivery catheter comprising:

a distal catheter portion adapted to be received into a chamber of a heart, said distal catheter portion including a distal tip and at least one sidewall defining a lumen along the catheter;

an opening in said sidewall of said distal catheter portion and spaced proximally from said distal tip, said opening communicating with said lumen to facilitate the delivery of anchors through said lumen and said opening to heart tissue;

anchor delivery structure disposed in said lumen;

at least one anchor releasably supported on said anchor delivery structure and adapted to anchor to the heart tissue, wherein each anchor includes a rigid member at a distal end thereof; and

an at least one elongate tensile member having a free proximal end, the elongate tensile member having a distal end operatively coupled to the rigid member of the at least one each said anchor, the at least one elongate tensile member extending proximally from the rigid member;

said anchor delivery structure being movable relative to the distal catheter portion in the chamber of the heart from a first position wherein said anchor is disposed within said lumen, to a second position wherein said anchor is moved through said opening to engage the heart tissue, and to a third position wherein said anchor is separated from said anchor delivery structure and remains engaged with the heart tissue.

80. (Previously Presented) The anchor delivery catheter of claim 79, wherein said distal catheter portion is convertible between a first condition wherein said distal catheter portion has a shape that does not conform to the contour of the gutter of the mitral valve, and a second condition wherein the shape of said distal catheter portion conforms to the contour of the gutter of the mitral valve.

81. (Currently Amended) The anchor delivery catheter of claim 79, further comprising at least a second anchor disposed within said lumen and supported on said anchor delivery structure, the second anchor including a rigid member at a distal end thereof and a second elongate tensile member extending proximally therefrom.

82. (Previously Presented) The anchor delivery catheter of claim 81, wherein said anchor delivery structure is further moveable to move said second anchor through said opening to engage the heart tissue.

83. (Currently Amended) The anchor delivery catheter of claim ~~79~~81, further comprising a locking element coupled to said tensile members for movement therealong relative to said anchors, wherein said locking element is adapted to remain coupled to said tensile members and separated from the anchor delivery catheter.

84. (New) An anchor delivery catheter for performing catheter-based annuloplasty by delivering anchors to heart tissue, the anchor delivery catheter comprising:

- a distal catheter portion adapted to be received into a chamber of a heart, said distal catheter portion including a distal tip and at least one sidewall defining a lumen along the catheter;

- an opening in said sidewall of said distal catheter portion and spaced proximally from said distal tip, said opening communicating with said lumen to facilitate the delivery of anchors through said lumen and said opening to heart tissue;

- anchor delivery structure disposed in said lumen;

- at least first and second anchors releasably and serially supported on said anchor delivery structure and adapted to anchor to the heart tissue, wherein each anchor includes a rigid member at a distal end thereof; and

at least first and second elongate tensile members each having a free proximal end, and each elongate tensile member having a distal end operatively coupled to a respective rigid member of the at first and second anchors, the at least first and second elongate tensile members extending independently and alongside one another and proximally the respective rigid members;

said anchor delivery structure being movable relative to the distal catheter portion in the chamber of the heart from a first position wherein said first anchor is disposed within said lumen, to a second position wherein said first anchor is moved through said opening to engage the heart tissue, and to a third position wherein said first anchor is separated from said anchor delivery structure and remains engaged with the heart tissue while said elongate tensile members extend alongside one another proximally to a location that is accessible exteriorly of a patient.

85. (New) The anchor delivery catheter of claim 84, wherein said distal catheter portion is convertible between a first condition wherein said distal catheter portion has a shape that does not conform to the contour of the gutter of the mitral valve, and a second condition wherein the shape of said distal catheter portion conforms to the contour of the gutter of the mitral valve.

86. (New) The anchor delivery catheter of claim 84, wherein said anchor delivery structure is further moveable to move said second anchor through said opening to engage the heart tissue.

87. (New) The anchor delivery catheter of claim 86, further comprising a locking element coupled to said tensile members for movement therealong relative to said anchors, wherein said locking element is adapted to remain coupled to said tensile members and separated from the anchor delivery catheter.